

# Maritime Rescue and Salvage in China: a General Introduction and Some Typical Cases



November 2009

2009年11月



Established in 1951, China Rescue and Salvage (CRS) is the sole national professional rescue and salvage organization in China. She undertakes the missions of emergency response to maritime accidents that occur in Chinese waters, life –saving at sea, salvage of vessels and property in distress, maritime fire-fighting, elimination of spilled oil as well as safety-ensuring duties for marine transportation and offshore resource exploitations.

At the same time, she performs international obligations under relevant international conventions and bilateral maritime agreements on behalf of the Chinese government.

On 24 Aug 1951 was founded "the People's Salvage Company of China".

政務院財政經濟委員會執照

中國人民打粉公司 設立於 上海市黃浦區 中山東一路

經營 碾通航運等業務  
打粉及製粉打粉用器修理等業務  
經本會核准

登記特發給執照以資憑證

主任 孫志文

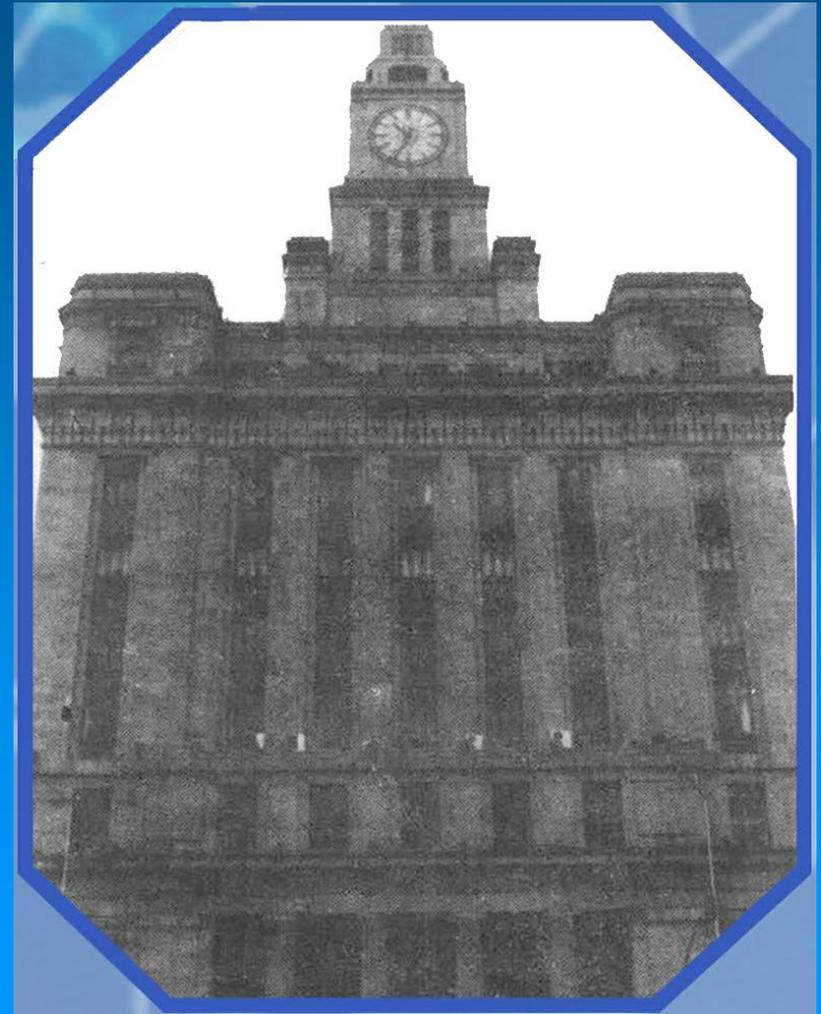
公元一九五二年八月十四日



中華民國政府  
財政部



**The former “ People’s  
Salvage Company of  
China” in the 1950s.**





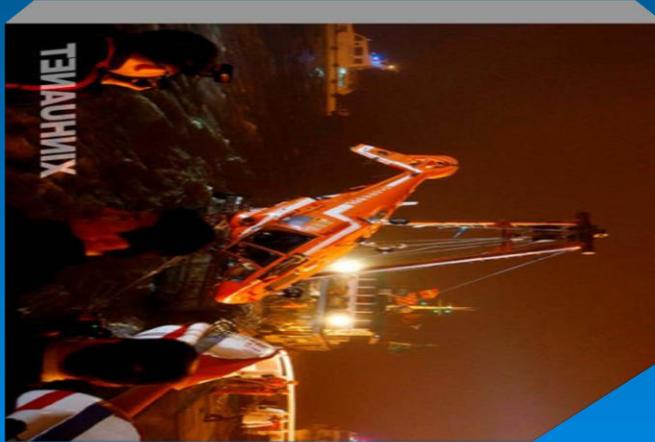
**“Panshan”---- The First tug of “ People’s  
Salvage Company of China”**



As an important part of China's overall national emergency response system, CRS has been playing a key role at emergent moments with vigor and rigor to successfully fulfill its responsibilities of saving life, property and the environment, reflecting the Chinese government's ruling philosophy of "putting people first", and the reality of China as a truly responsible nation.



# Rescue and salvage operations

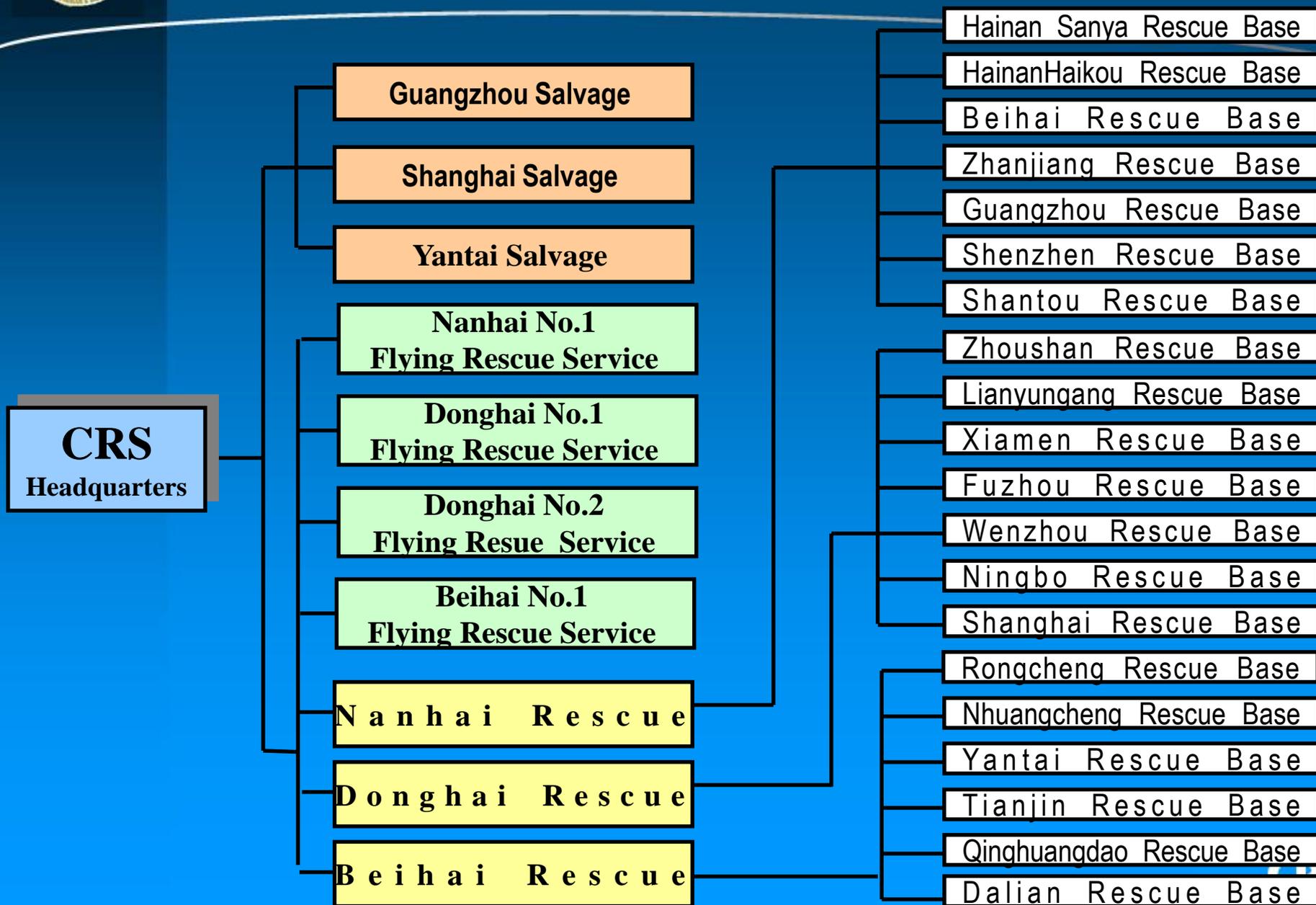




CRS completed its organizational reform on June 28, 2003. After 6 years of development and exploration, it has embarked on a unique CRS development mode with Chinese characteristics.



# Composition of China Rescue and Salvage





# CRS FLEET and STAFF



**191** Vessels in total

**72** rescue vessels

**119** salvage vessels

**12** Rescue Aircrafts

**18+3** Emergency Response Teams

A staff of Over **8,000**



# Understanding CRS: three “3-in-1”





# Understanding CRS: one “enhance”, three “meets”

**one  
“enhance”,  
three  
“meets”**

- ✓ to stick to CRS’ s unique development mode with Chinese characteristics
- ✓ To enhance all-around ability in saving life, property and the environment
- ✓ To meet the safety needs of the fast developing transport sector of China as a whole
- ✓ To meet the needs of China’ s emergency response and anti-terrorism objectives
- ✓ To meet the needs of rescue and assistance during major accidents and natural disasters.



Over 80% of the present CRS staff are divers, crew members and technical personnel.



Pilot training



Crewman training



Divers in operation



**In the spirit of “leaving the hope of life to others and the risk of death to ourselves”, CRS people have until now saved:**

- 49429 lives.**
- 3479 ships.**
- 1686 wrecks.**

Measures to Improve SAR Capabilities  
---- New SAR Boats being put into service

**14000-KW rescue vessel**



Measures to Improve the Capability of SAR  
---- New SAR Boats being put into services

**8000-KW rescue vessel**





## 6000-KW rescue vessel



## 4400-KW rescue vessel





## Catamaran for coastal operations



## Life Boats from RNLI





**Rescue helicopter EC225**



**Rescue helicopter S-76c+**



**Rescue helicopter SA365N**



**Fixed airplane CARAVAN-C208**





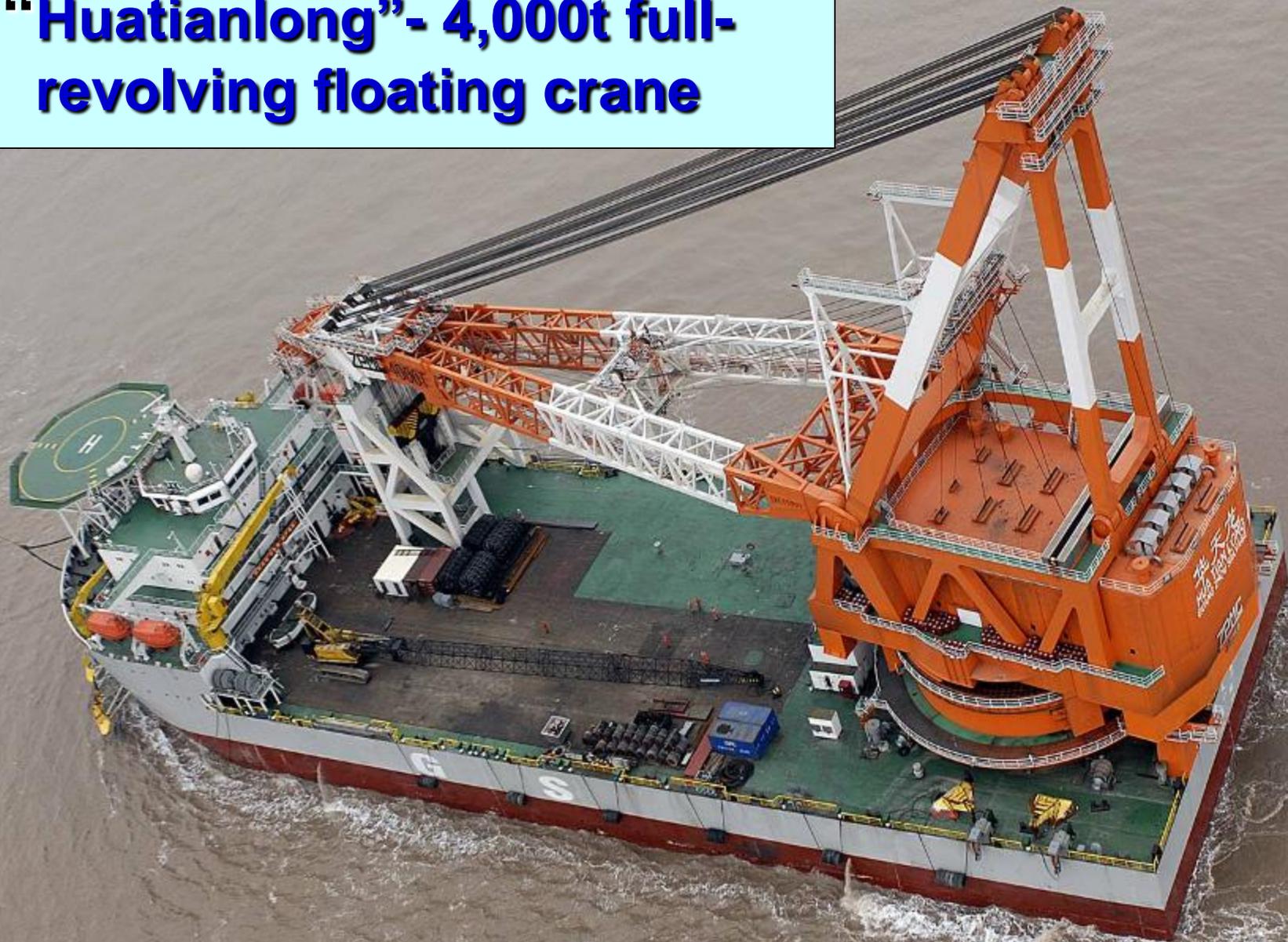
**9700HP deep-water power  
Positioning tug “Dejie”**



**50,000 ton  
Semi-submersible barge  
“Zongren 3”**



**“Huatianlong”- 4,000t full-revolving floating crane**



**“Dali” – 2,500t full  
revolving floating  
crane**



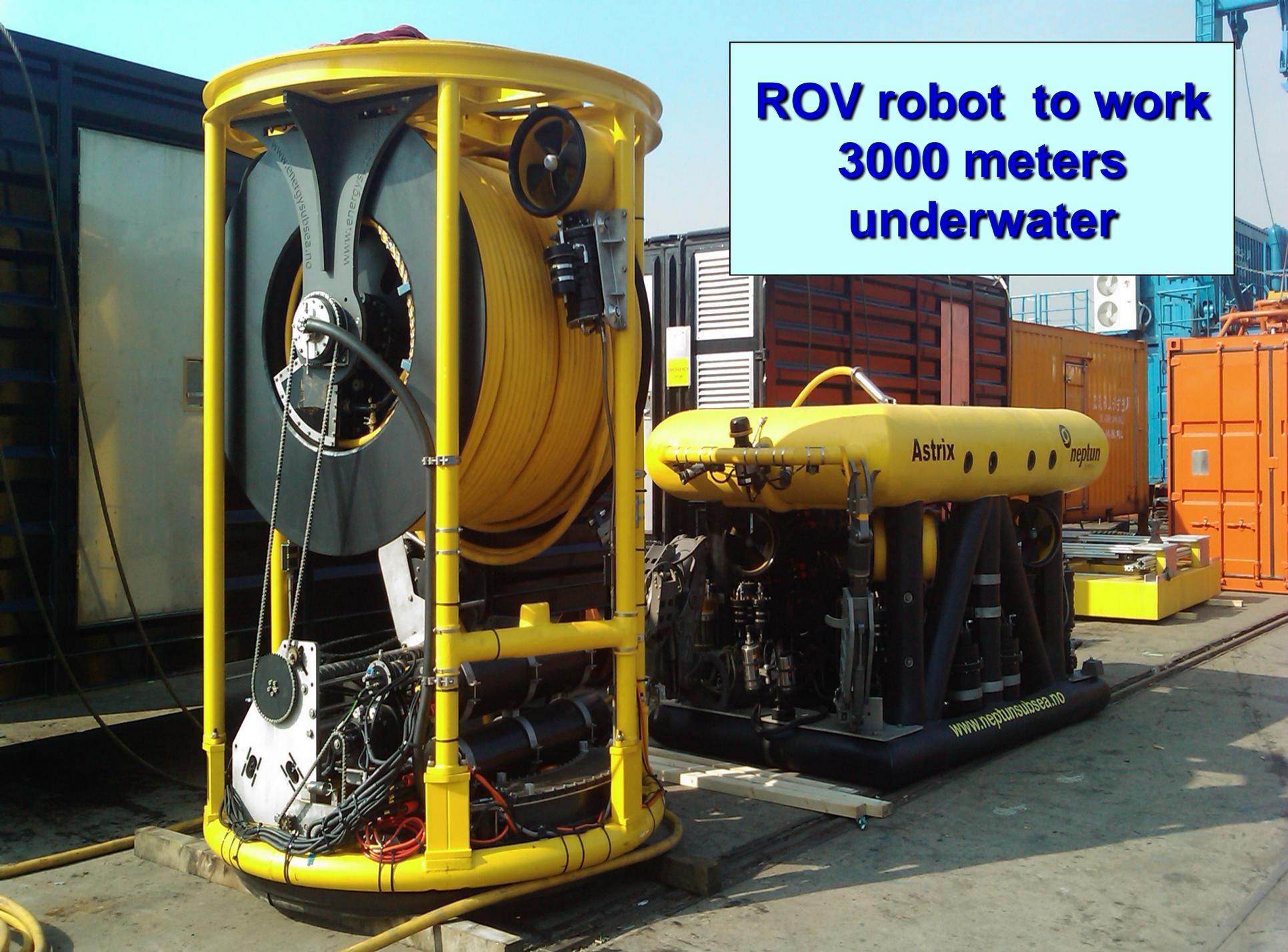
**“De Ying” – 1700t  
Full-revolving  
Floating Crane**



# 200m Saturation Diving System



**ROV robot to work  
3000 meters  
underwater**



# CRS training institutions

# Guangzhou Diving School





# Response time of CRS fleets



◆ Dedicated all weather rescue vessels: 30 minutes



◆ Fast coastal lifeboats: 20 minutes



◆ “Huaying” lifeboats: 15 minutes



◆ Rescue aircrafts: 45 minutes;  
standby aircrafts: 60 minutes

Some typical cases: **life- saving**

**Saved fishermen**

获救的渔民



**On 28 “Sep, “Nanhaijiu 111” saved 34 fishermen around Xisha islands.**

Some typical cases: **life- saving**

## **Rescue helicopter in operation**



**2 workers trapped on top of a 180 meter chemical tower were rescued by a CRS helicopter on June 26, 2007.**

Some typical cases: **life- saving**

**Helicopter rescue swimmer in operation**



**On 17 October 2006, a CRS helicopter successfully rescued in Bohai bay the nearly-sunk vessel " No.1 Xinbao", a bulk cargo carrier.**

**Some typical cases: Property Salvage**

**Ships distressed in bad weather**



**“Nanhaijiu 111” saved barge “Yuefoshangong 3033A” during a typhoon in July 2009.**

**Some typical cases: Property Salvage**

**“Nanhaijiu 101” towing “ Shundong”**



**On 27 Sep 2008, Donghai Rescue, Naihai Rescue, and Donghai Flying Rescue Service of CRS worked together to successfully saved a Taiwanese cargo carrier and its 26 crew members distressed in a typhoon.**

**Some typical cases: Property Salvage**

**towing in progress**



**“Nanhaijiu 112” and “Nanhaijiu 199” rescuing “Bi Jiang” on Jan 11, 2009.**

**Some typical cases: Property Salvage**

**Towing in progress**



**Rescue of 270,000dwt VLCC "SHINYO SAWAKO" in November 2007.**

Some typical cases: salvage and wreck removal

A diver going down



On 22 Jun 2004, a ship sunk in the Xiaolangdi Reservoir of the Yellow River, and 41 people died. Right from that day until 4 July, 33 CRS people, among them 15 divers, assisted the local government in successfully completing the relief and wreck removal operations afterwards, which is the biggest inland wreck removal operation since the founding of PRC.

打捞第八条沉船出水



In Aug 2006, up to 1000 fishing boats sank in a typhoon in the Shachen Port of Fujian Province. CRS sent 16 rescue vessels, 3 helicopters and 5 emergency response teams to carry out the salvage and wreck removal operations afterwards.

Some typical cases: salvage and wreck removal

Refloating by 3 workboats



Salvage operation on the world largest dredger "Fairway" in March 2007 by Yantai Salvage and Shanghai Salvage

Some typical cases: salvage and wreck removal

Refloating "NEFTEGAZE67"



Some typical cases: salvage and wreck removal

Towing refloated  
“Changtong”



Salvage of the rear part of a Panama bulk carrier that sunk in Yantai port, using new subdrilling technologies.

Some typical cases: salvage and wreck removal

“Huitong 22” distressed



"Huitong 22" , loaded with 931 tons of toxic chemical liquid, was salvaged outside the Shidao harbour in January 2007.

**Some typical cases: Environmental salvage**

**Emergency treatment of oil pollution**



**Salvage in December 2004 of the German container ship "MSC ILONA", which suffered a collision and subsequent oil spill.**

Some typical cases: firefighting at sea

“Beihai 198” putting off the fire on  
“Liaohai”



Salvage of the passenger ro-ro “Liaohai” which was distressed and caught on fire in Bohai Bay on 16 November 2004. 340 people onboard were saved.

**Some typical cases: firefighting at sea**

**“Beihai 169” putting off the fire on “Liaoyu 18”**



**Salvage of the fishery boat "Liaoyu ", which caught on fire in Bohai Bay, on 12 January 2006. 69 distressed workers were rescued.**

**Some typical cases: fulfilling International obligations**

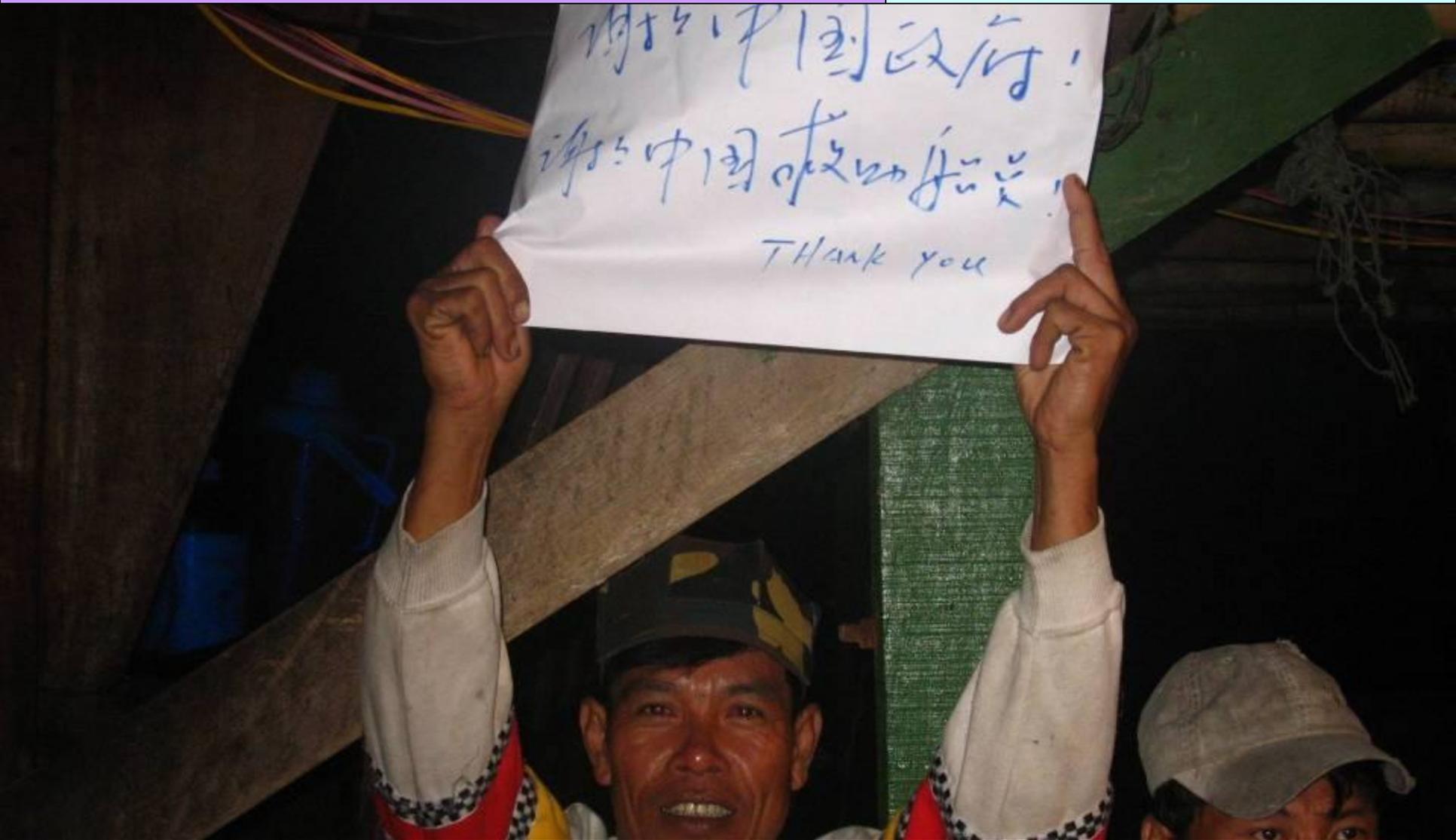
**Offering food to Vietnam Fishermen**



**On May 25 2006, CRS SAR boats fighting against Typhoon “Pearl” to rescue distressed Vietnam Fishermen.**

**Some typical cases: fulfilling International obligations**

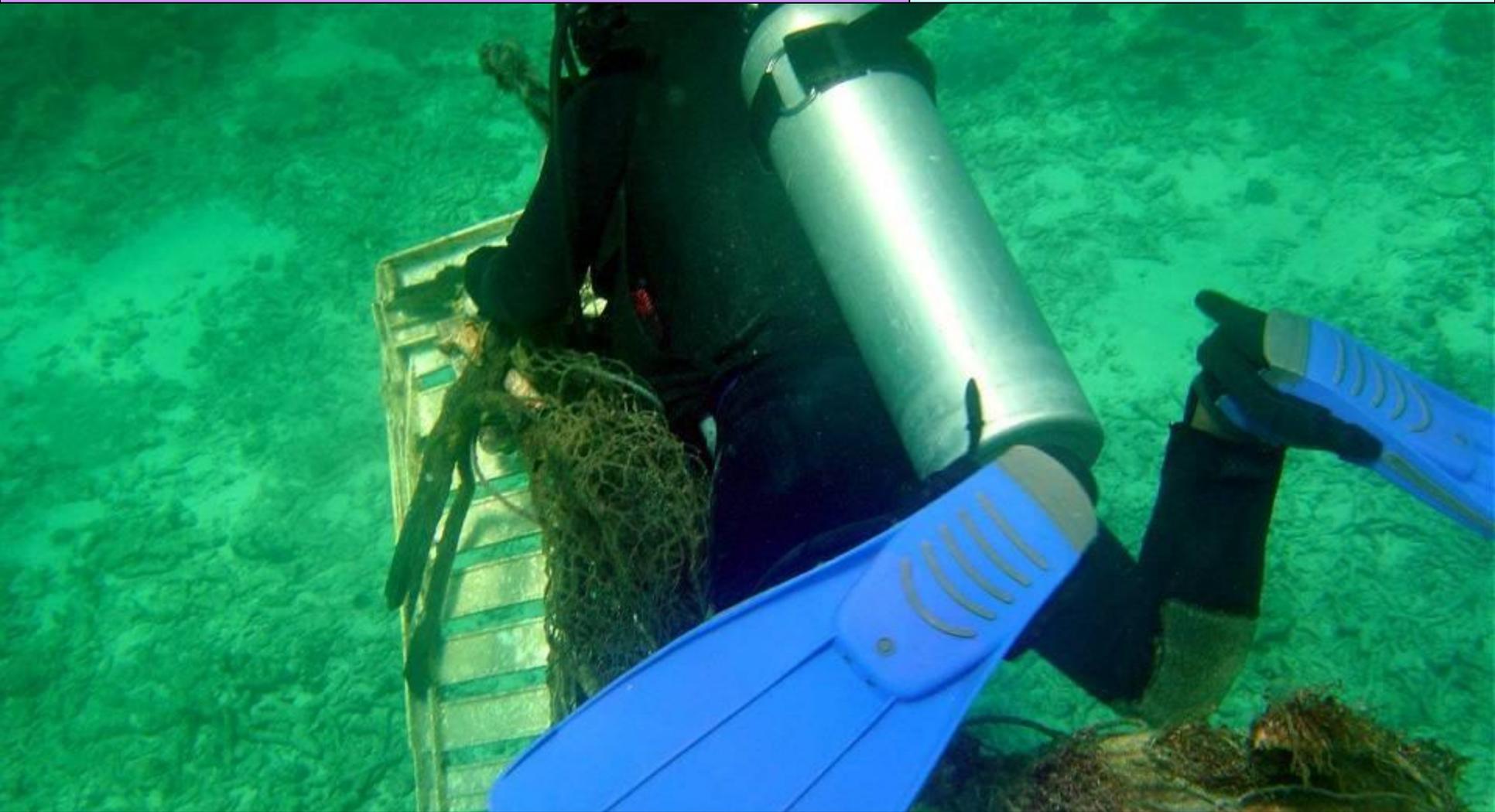
Gratitude to China



**In May 2006, hundreds of Vietnamese fishermen were rescued after typhoons. It was a large international rescue operations.**

Some typical cases: fulfilling International obligations

A diver cleaning up wrecks



CRS divers went to Thailand to do volunteering underwater work in areas stricken by Tsunami in 2005.

Some typical cases: Marine engineering

“Dehong” in towing operation



**Some typical cases: Marine engineering**

**Towing of a 135- meter high giant  
drilling platforms on 16 October  
2009**



Some typical cases: Marine engineering

A fleet towing an aircraft carrier



## Some typical cases: Marine engineering

Floating crane "Dali" lifting bridge foundation module of Donghai Bridge





# International exchanges and cooperation



□ growing involvement in the International Salvage Union





# International exchanges and cooperation



□ Awarded certificate of exceptional bravery as a candidate for the 2008 “award for exceptional bravery ” issued by IMO





# International exchanges and cooperation



□ “Nanhaijiu 101” attending the 20th International Tug and Salvage Conference Singapore

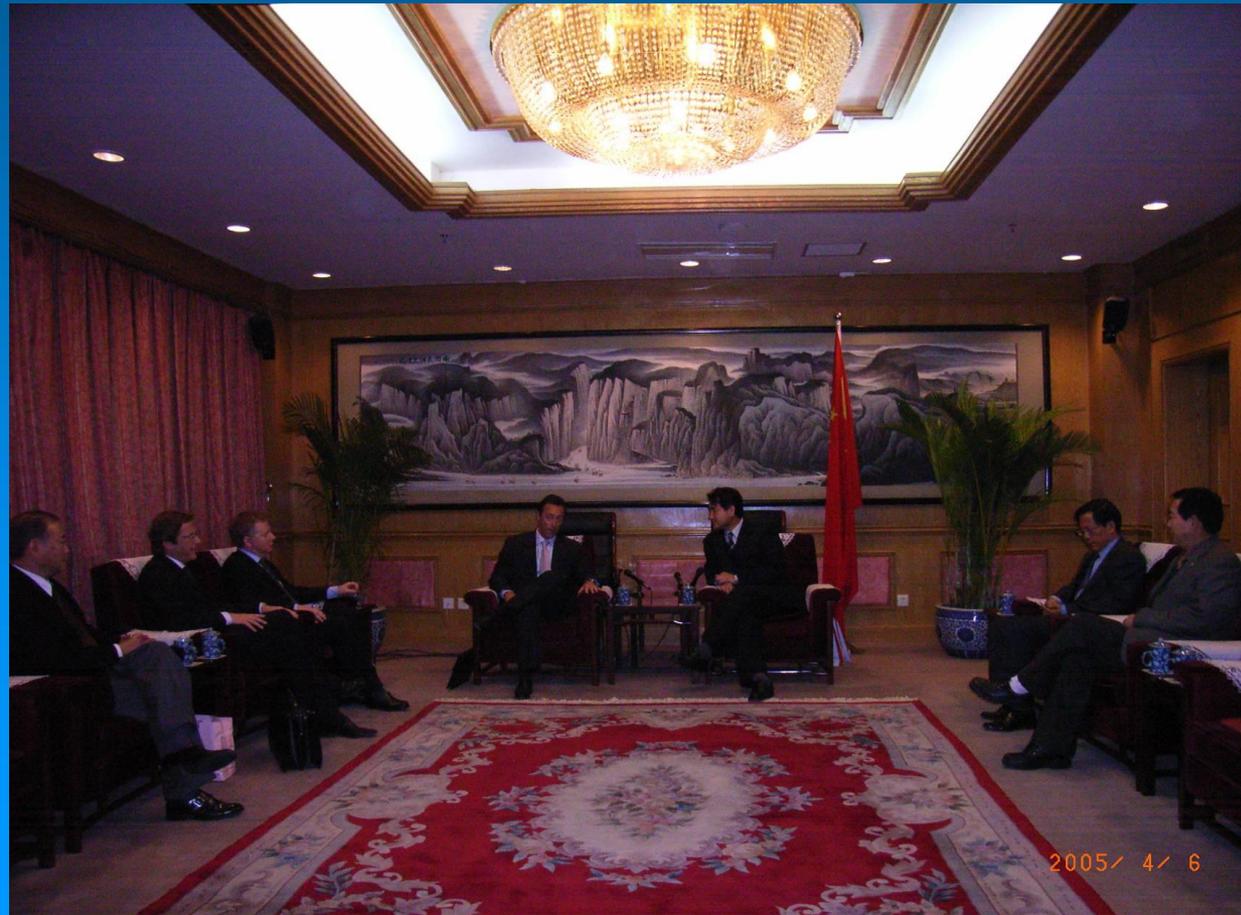




# International exchanges and cooperation



□ Meeting with officials from the Ministry of Ecology, Transport and Sustainable Development.





# International exchanges and cooperation



## □ Visit of USCG ex-commandant ADM Collins





# International exchanges and cooperation



□ signing of Minutes of Meeting on cooperation with USCG





# International exchanges and cooperation



□ VADM Pekoske, commander of the USCG Pacific region, visiting the Operations Command and Control Centre of CRS on 16 February, 2009.





# International exchanges and cooperation



□ In Nov, 2009, RADM Gary Blore of USCG visited CRS with the USCG cutter “rush” which had a joint rescue exercise with CRS vessels.





# International exchanges and cooperation



□ Officials of the U.S. Ministry of Transport visiting the Operations Command and Control Centre of CRS on 12 October, 2009.





**Thank you**



**November 2009**